

FIG. 1

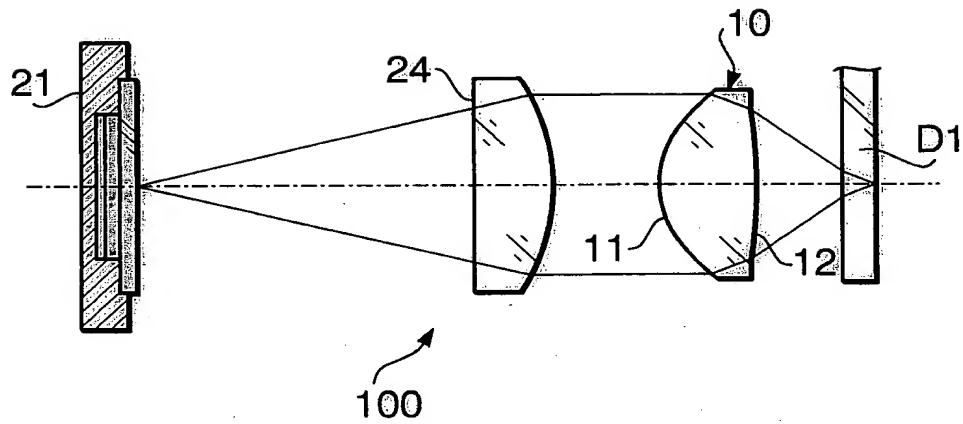
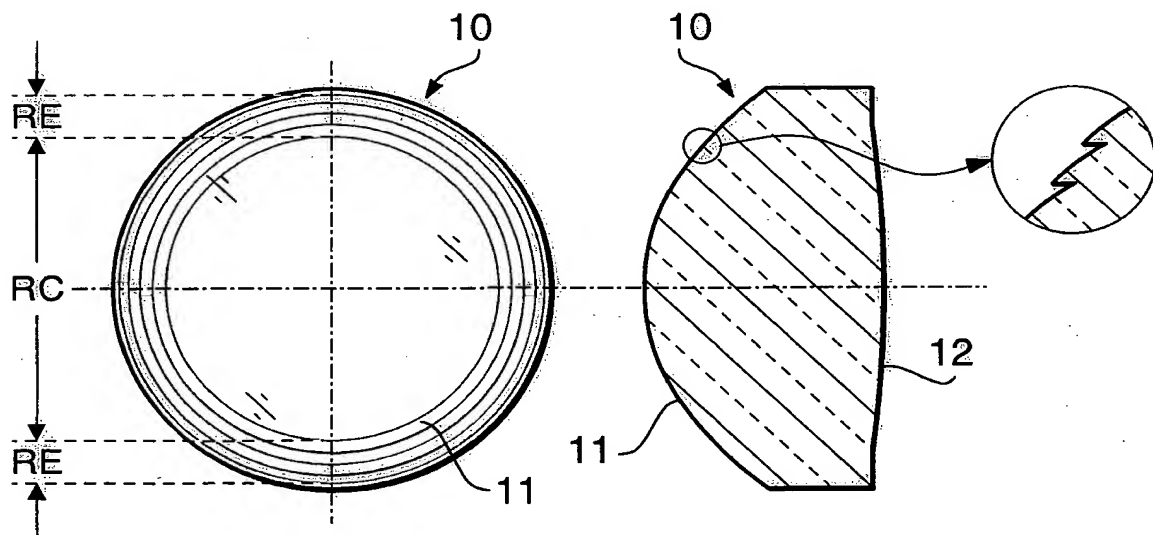


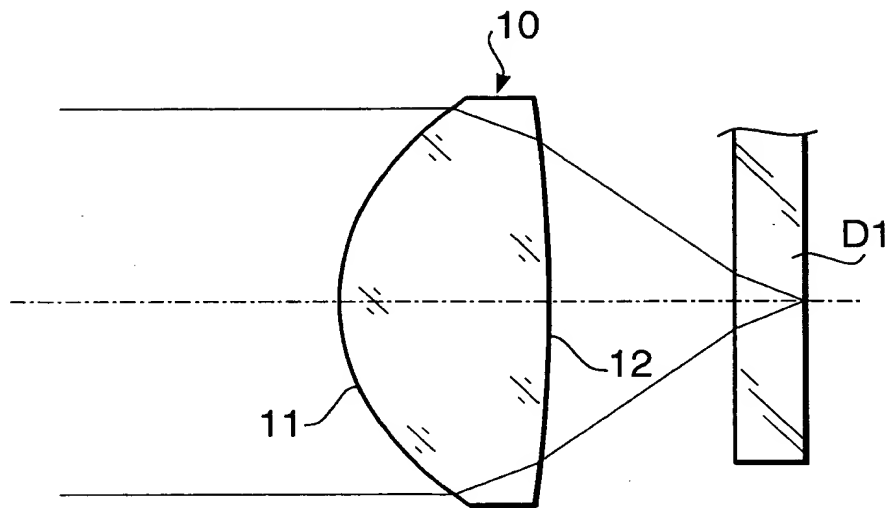
FIG.2A

FIG.2B

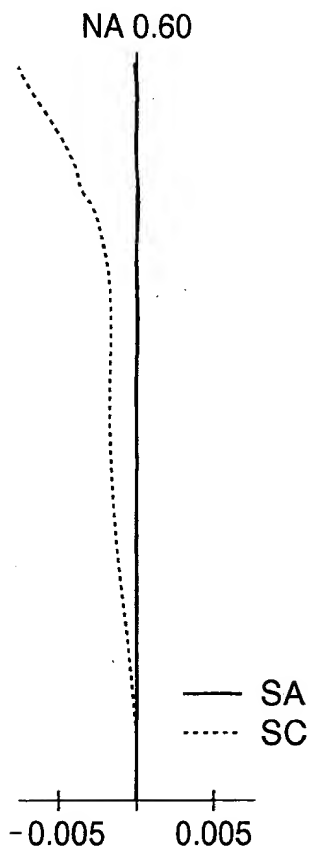
FIG.2C



# FIG. 3

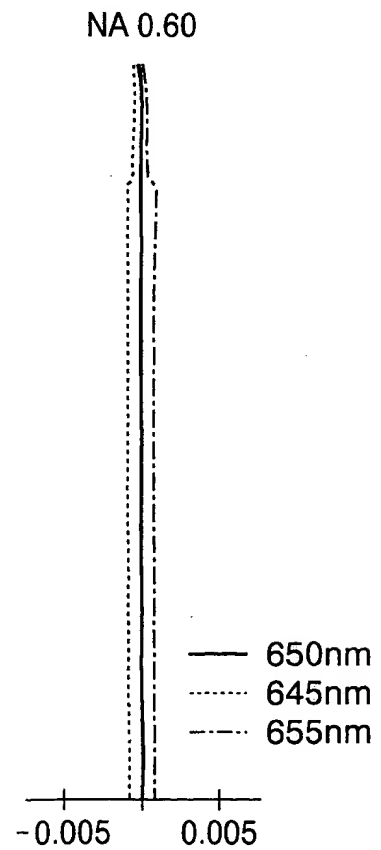


## FIG.4A



SPHERICAL ABERRATION SA  
SINE CONDITION SC

## FIG.4B



SPHERICAL ABERRATION  
CHROMATIC ABERRATION

FIG.5A

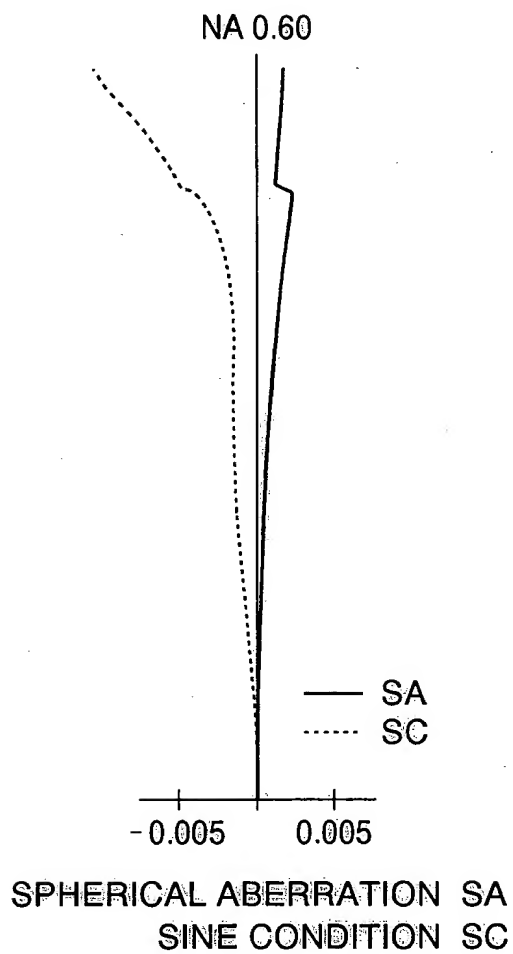
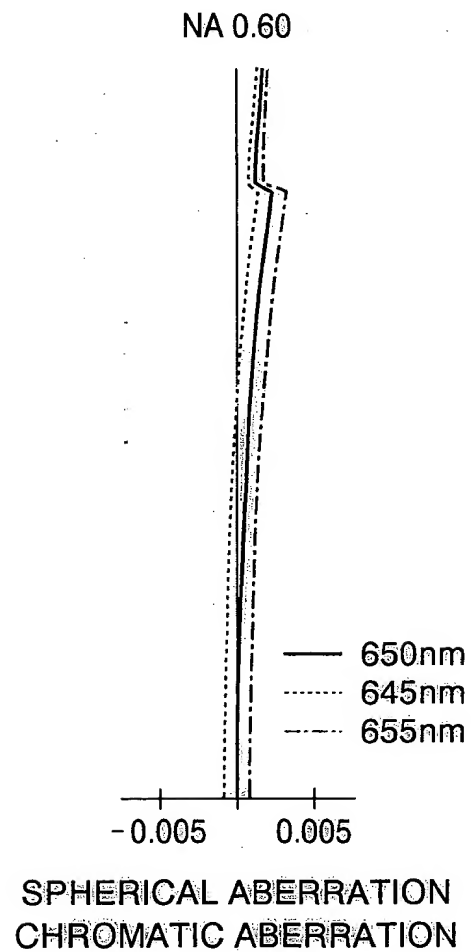
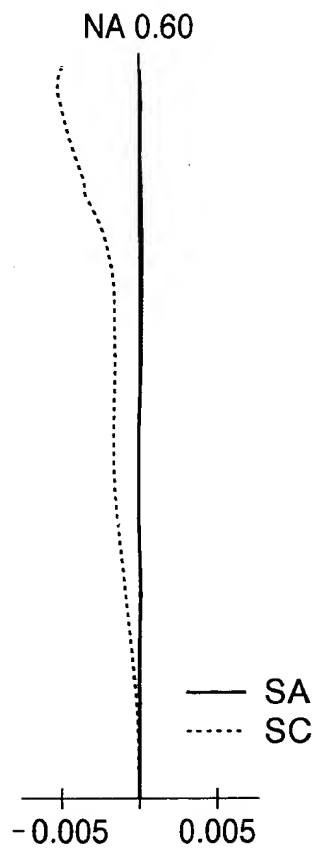


FIG.5B

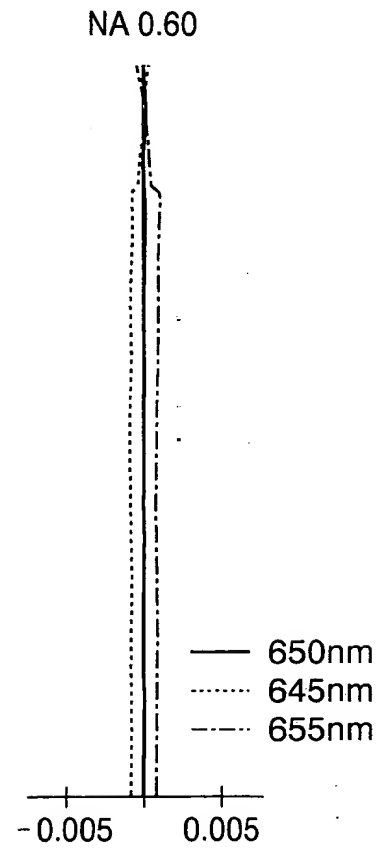


# FIG.6A



SPHERICAL ABERRATION SA  
SINE CONDITION SC

# FIG.6B



SPHERICAL ABERRATION  
CHROMATIC ABERRATION

FIG. 7A

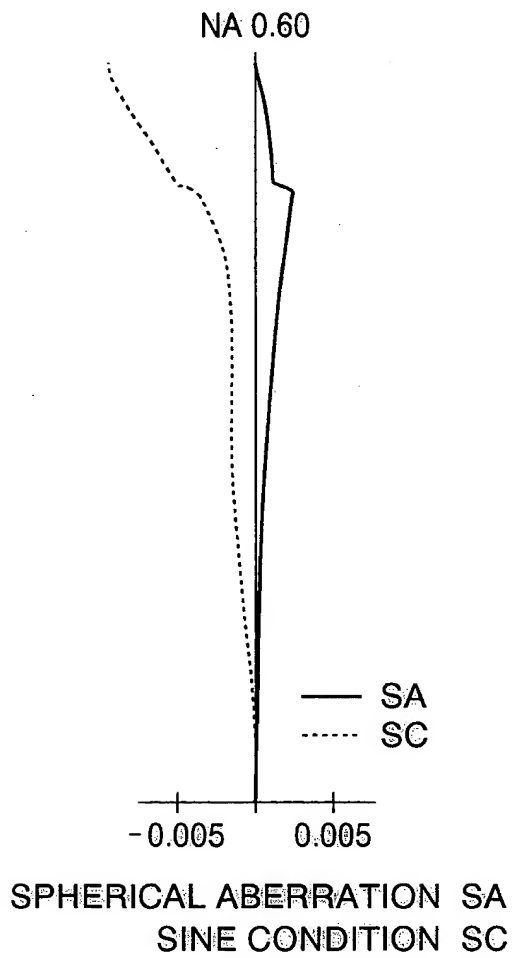


FIG. 7B

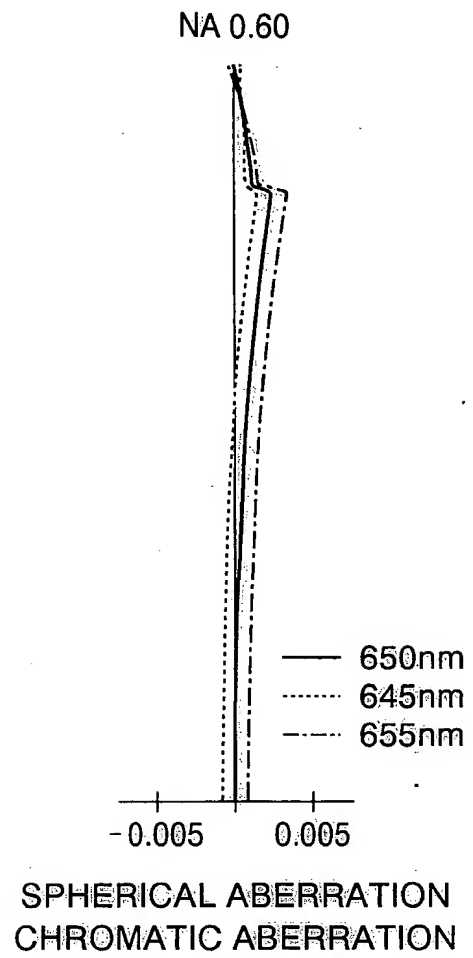


FIG. 8

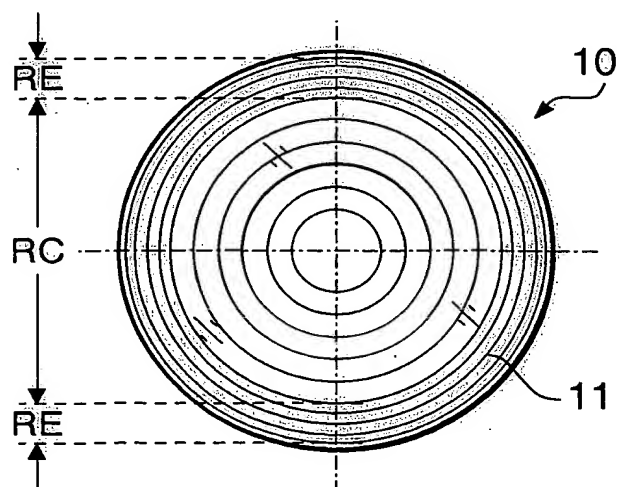


FIG.9A

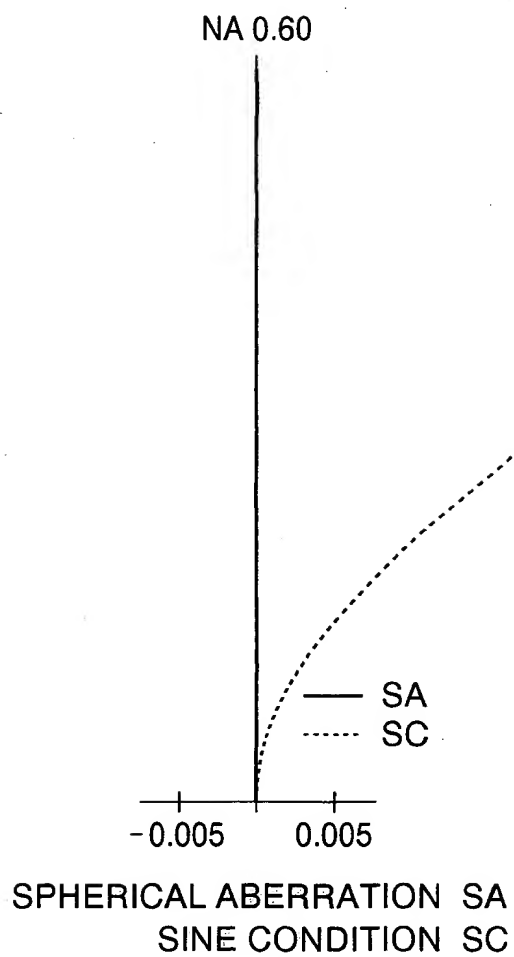
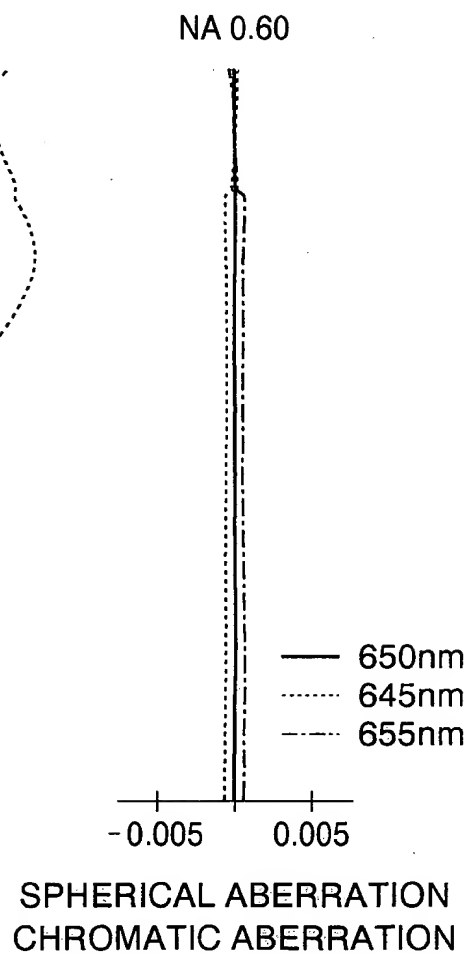
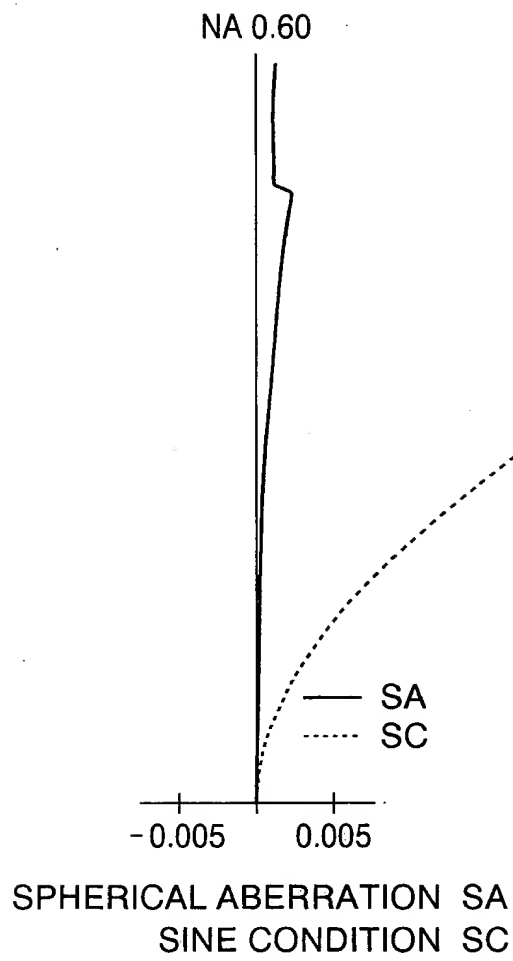


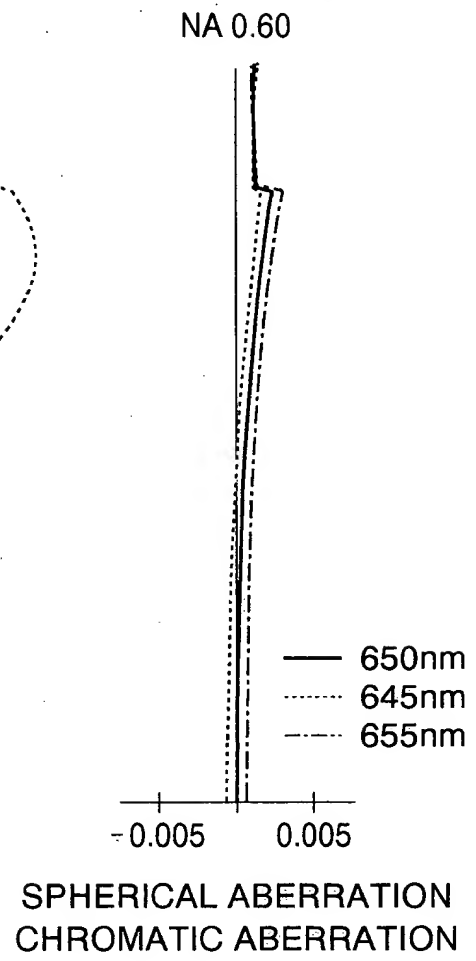
FIG.9B



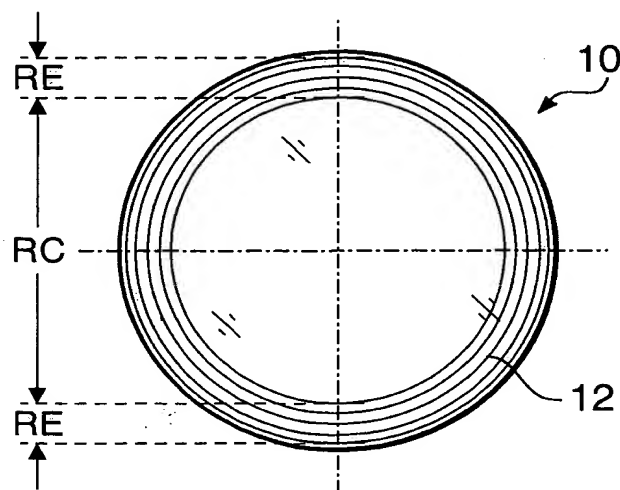
# FIG.10A



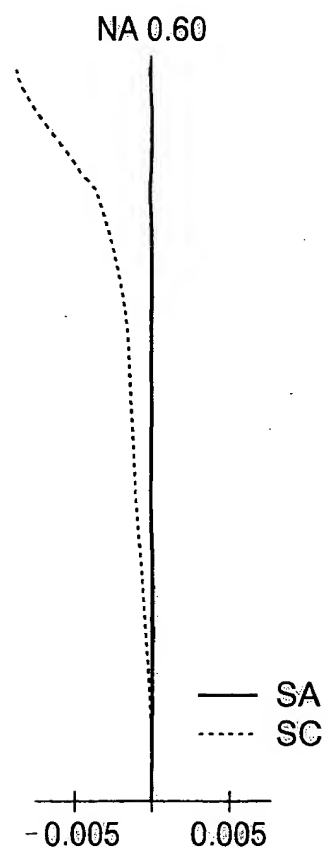
# FIG.10B



# FIG.11

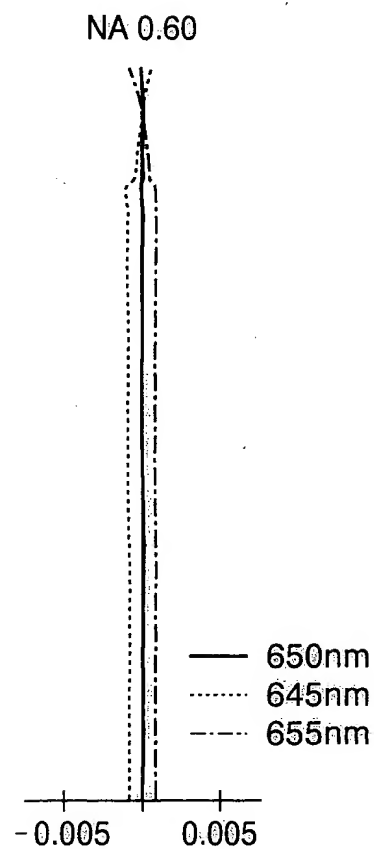


# FIG.12A



SPHERICAL ABERRATION SA  
 SINE CONDITION SC

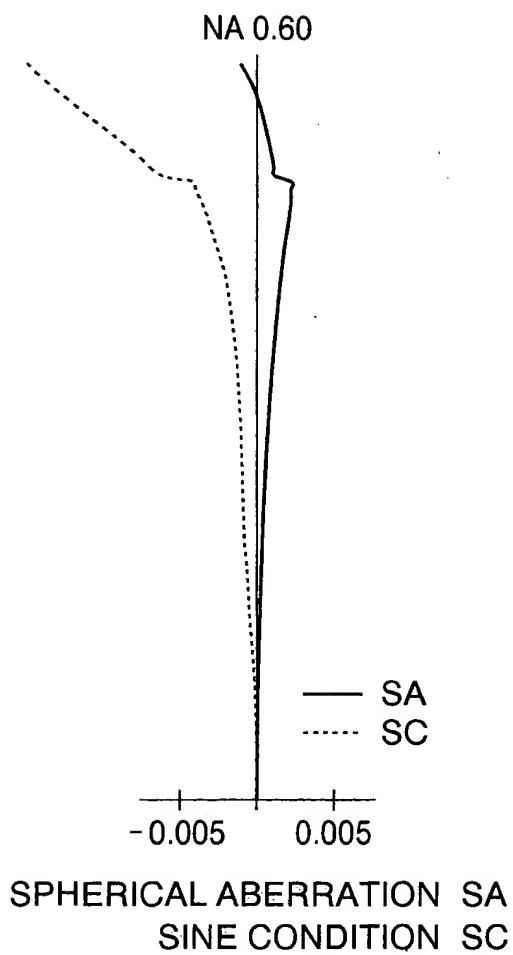
# FIG.12B



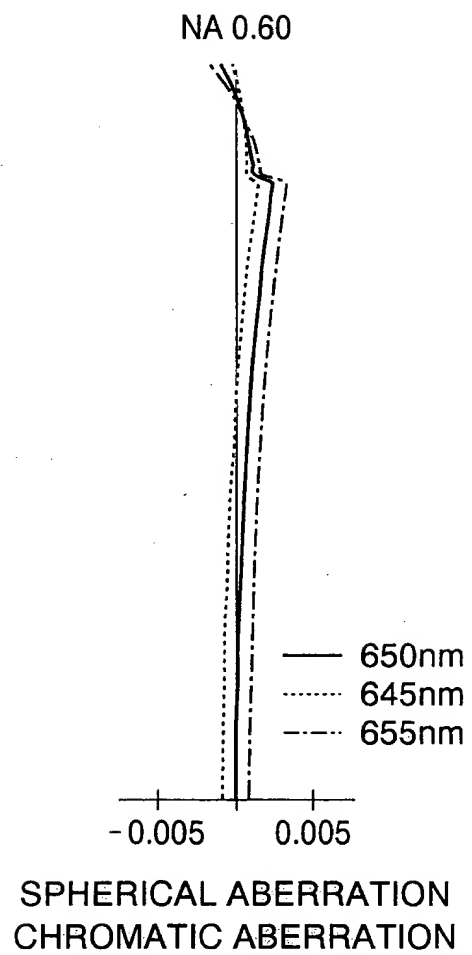
SPHERICAL ABERRATION  
 CHROMATIC ABERRATION



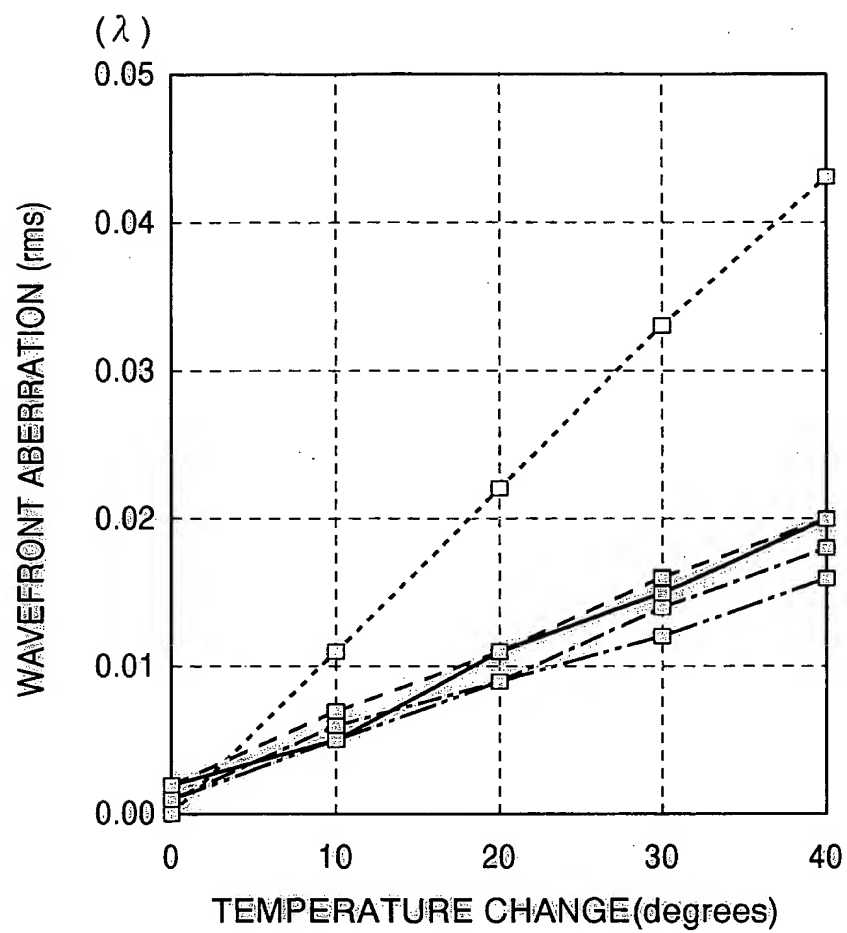
# FIG.13A



# FIG.13B

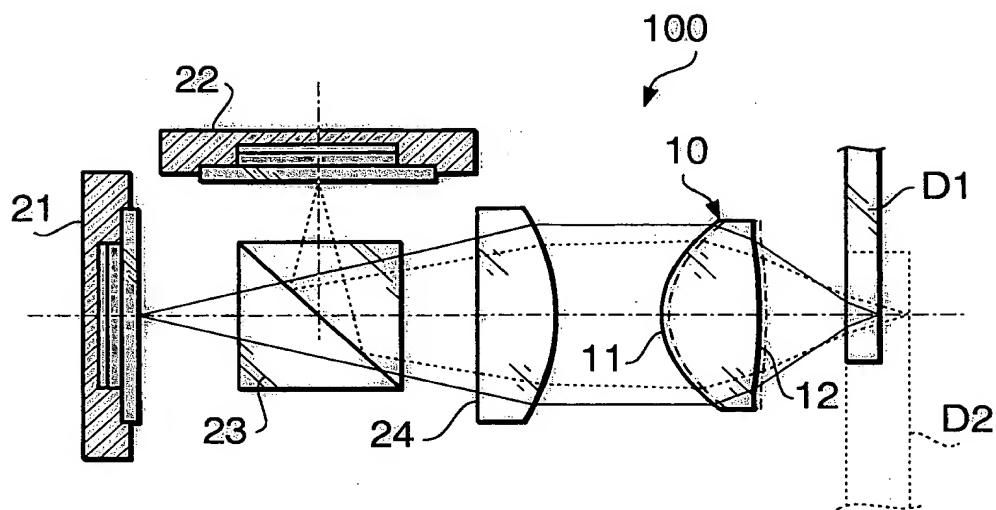


# FIG.14



- 1ST EMBODIMENT
- .-.-.- 2ND EMBODIMENT
- 3RD EMBODIMENT
- 4TH EMBODIMENT
- ..... COMPARATIVE EXAMPLE

# FIG.15



# FIG.16

